



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/736,640
Filing Date December 17, 2003
First Named Inventor Don J. DIAMOND
Group Art Unit 1648
Examiner Name To Be Assigned

Sheet 1 of 4 Attorney Docket Number 1954-437

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
AJ	AA	6,074,645		Diamond et al.	06-13-2000
	AB	5,736,142		Sette et al.	04-07-1998
	AC	4,716,104		Harris et al.	12-29-1987
	AD	4,762,780		Spector et al.	08-09-1988
	AE	5,635,363		Altman et al.	06-03-1997

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number	Kind Code (if known)			
AF	AF	PCT	WO 94/00150	A1	City of Hope	01-06-1994	
AG	AG	PCT	WO 00/75180	A2	Hans-Dieter VOLK et al.	12-14-2000	AB
AH	AH	PCT	WO 98/26074	A1	Institut National de la Sante et de la Recherche Medicale	06-18-1998	AB
AI	AI	PCT	WO 97/40165	A1	The Wistar Institute of Anatomy and Biology	10-30-1997	
AJ	AJ	PCT	WO 99/19349	A1	City of Hope	04-22-1999	

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code.

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB Indicates that only an English language abstract is attached.

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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AJ	AK	Alexander et al., "Development of High Potency Universal DR-Restricted Helper Epitopes by Modification of High Affinity DR-Blocking Peptides," <u>Immunity</u> 1:751-761, December 1994.			
	AL	Bernhard et al., "Cytotoxic T Lymphocytes from HLA-A2 Transgenic Mice Specific for HLA-A2 Expressed on Human Cells," <u>J. Exp. Med.</u> 168:1157-1162, September 1988.			
	AM	Berzofsky et al., "Construction of peptides Encompassing Multideterminant Clusters of Human Immunodeficiency Virus Envelope to Induce in Vitro T Cell Responses in Mice and Humans of Multiple MHC Types," <u>The J. of Clinical Investigation</u> 88:876-884, September 1991.			
	AN	Boppana et al., "Recognition of Human Cytomegalovirus Gene Products by HCMV-specific Cytotoxic T Cells," <u>Virology</u> 222:293-296, 1996.			
	AO	Borysiewicz et al., "Relative Frequency of Stage-specific CTL Recognizing the 72-kD Immediate Early Protein and Glycoprotein B Expressed by Recombinant Vaccinia Viruses," <u>J. Exp. Med.</u> 168:919-931, September 1988.			
	AP	Brouwenstijn et al., "Definition of Unique and Shared T-Cell Defined Tumor Antigens in Human Renal Cell Carcinoma," <u>J. of Immunotherapy</u> 21(6):427-434, 1998.			
	AQ	Chujoh et al., "The role of anchor residues in the binding of peptides to HLA-A*1101 molecules," <u>Tissue Antigens</u> 52:501-509, 1998.			
	AR	Clay et al., "Changes in the Fine Specificity of gp100 ₍₂₀₉₋₂₁₇₎ -Reactive T Cells in Patients Following Vaccination with a Peptide Modified at an HLA-A2.1 Anchor Residue," <u>J. of Immunology</u> 162:1749-1755, 1999.			
	AS	Greenberg et al. "Development of a treatment regimen for human cytomegalovirus (CMV) infection in bone marrow transplantatoin recipients by adoptive transfer of donor-derived CMV-specific T cell clones expanded <i>in vitro</i> " in: <u>Annals of the New York Academy of Sciences</u> (Antigen and Clone-Specific Immunoregulation) 636:184-195, 1991.			
	AT	Gyulai et al., "Cytotoxic T Lymphocyte (CTL) Responses to Human Cytomegalovirus pp65, IE1-Exon4, gB, pp150, and pp28 in Healthy Individuals: Reevaluation of Prevalence of IE1-Specific CTLs," <u>The J. of Infectious Diseases</u> 181:1537-46, 2000.			
	AU	Ishioka et al. "Utilization of MHC Class I transgenic mice for development of minigen DNA vaccines encoding multiple HLA-restricted CTL epitopes," <u>J. Immunology</u> 162:3915-3925, 1999.			
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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A)	AV	Kern et al., "Analysis of CD8 T cell reactivity to cytomegalovirus using protein-spanning pools of overlapping pentadecapeptides," <u>Eur. J. Immunol.</u> 30:1676-1682, 2000.			
	AW	Kern et al., "Target Structures of the CD8 ⁺ -T Cell Response to Human Cytomegalovirus: the 72 Kilodalton Major Immediate-Early Protein Revisited," <u>J. of Virology</u> 73(10):8179-8184, Oct. 1999.			
	AX	Lipford et al. "Peptide Engineering Allows Cytotoxic T-cell Vaccination Against Human Papilloma Virus Tumour Antigen, E6," <u>Immunology</u> 84:298-303, 1995.			
	AY	Livingston et al. "Altered helper T lymphocyte function associated with chronic hepatitis B virus infection and its role in response to therapeutic vaccination in humans," <u>J. Immunology</u> 162:3088-3095, 1999.			
	AZ	Ohlin et al. "Characterization of human monoclonal antibodies directed against the pp65-kD matrix antigen of human cytomegalovirus," <u>Clin. Exp. Immunol.</u> 84:508-514, 1991.			
	BA	Oseroff et al. "Pools of lipidated HTL-CTL constructs prime for multiple HBV and HCV CTL eiptope responses," <u>Vaccine</u> 16(8):823-833, 1998.			
	BB	Panina-Bordignon et al., "Universally immunogenic T cell epitopes: promiscuous binding to human MHC class II and promiscuous recognition by T cells," <u>Eur. J. Immunol.</u> 19:2237-2242, 1989.			
	BC	Retière et al., "Generation of Cytomegalovirus-Specific Human T-Lymphocyte Clones by Using Autologous B-Lymphoblastoid Cells with Stable Expression of pp65 or IE1 Proteins: a Tool to Study the Fine Specificity of the Antiviral Response," <u>J. of Virology</u> 74(9):3948-3952, May 2000.			
	BD	Riddell et al. "Class I MHC-restricted cytotoxic T lymphocyte recognition of cells infected with human cytomegalovirus does not require endogenous viral gene expression," <u>J. Immunology</u> 146(8):2795-2804, April 15, 1991.			
	BE	Rüger et al. "Primary structure and transcription of the genes coding for the two virion phosphoproteins pp65 and pp71 of human cytomegalovirus," <u>J. Virology</u> 61(2):446-453 February 1987.			
	BF	Schild et al., "Efficiency of peptides and lipopeptides for in vivo priming of virus-specific cytotoxic T cells," <u>Eur. J. Immunol.</u> 21:2649-2654, 1991.			
	BG	Theobald et al., "Targeting p53 as a general tumor antigen," <u>Proc. Natl. Acad. Sci. USA</u> 92:11993-11997, December 1995.			
	BH	Tsunoda et al. "Lipopeptide particles as the immunologically active component of CTL inducing vaccines," <u>Vaccine</u> 17:675-685, 1999.			
✓	BI	Vierboom et al. "Peptide Vaccination with an Anchor-Replaced CTL Epitope Protects Against Human Papillomavirus Type 16-Induced Tumors Expressing the Wild-Type Epitope," <u>J. Immunotherapy</u> 21(6):399-408, 1998.			
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AJ	BJ	Wentworth et al., "Differences and similarities in the A2.1-restricted cytotoxic T cell repertoire in humans and human leukocyte antigen-transgenic mice," <u>Eur. J. Immunol.</u> 26:97-101, 1996.			
	BK	Wentworth et al. "In Vitro induction of Primary, Antigen-Specific CTL from Human Peripheral Blood Mononuclear Cells Stimulated with Synthetic Peptides," <u>Molecular Immunology</u> 32(9):603-612, 1995.			
	BL	Moldoveanu, Zina, et al., "CpG DNA, a Novel Immune Enhancer for Systemic and Mucosal Immunization With Influenza Virus," <u>Vaccine</u> 16(11/12):1216-1224, 1998.			
	BM	Vitiello et al., "Development of a lipopeptide-based therapeutic vaccine to treat chronic HBV infection," <u>J. Clin. Invest.</u> , 95:341-349, 1995.			
	BN	Altman et al., "Phenotypic Analysis of Antigen-Specific T Lymphocytes," <u>Science</u> , 274:94-96, 1996.			
	BO	Crawford et al., "Detection of Antigen-Specific T Cells with Multivalent Soluble Class II MHC Covalent Peptide Complexes," <u>Immun.</u> , 8:675-682, 1998.			
	BP	Liu et al., "Detection of glutamic acid decarboxylase-activated T cells with I-A ⁹⁷ tetramers," <u>PNAS Early Edition</u> , 1-6 (www.pnas.org) October 16, 2000.			
	BQ	Gillespie et al., "Functional Heterogeneity and High Frequencies of Cytomegalovirus-Specific CD8+ T Lymphocytes in Healthy Seropositive Donors," <u>Journal of Virology</u> 74(17):8140-8150, 2000.			
	BR	Appay et al., "HIV-specific CD8+ T Cells Produce Antiviral Cytokines but Are Impaired in Cytolytic Function," <u>J. Exp. Med.</u> , 192:1, 63-75, 2000.			
	BS	Shacklett et al., "Isolation of Cytomegalovirus-Specific Cytoid T-Lymphocytes from Gut-Associated Lymphoid Tissue (GALT) of HIV Type 1-Infected Subjects", <u>Aids Research and Human Retroviruses</u> , 16:12, 1157-1162, 2000.			
	BT	"Use Of A CMV pp65-Specific HLA Tetramer to Select and Expand CMV-Specific CD8+ CTL," <u>The Journal of the American Society of Hematology</u> 94:10, 155a, Nov. 15, 1999 (Abstract).			
	BU	Zaia et al., "Status of Cytomegalovirus Prevention and Treatment in 2000," <u>American Society of Hematology</u> 339-355, 2000.			
	BV	Spaete et al., "Human Cytomegalovirus Strain Towne Glycoprotein B is Processed by Proteolytic Cleavage," <u>Virology</u> 167:207-225, 1988.			
✓	BW	Pande et al. "Cloning and Physical Mapping of a Gene Fragment Coding for a 64-Kilodalton Major Late Antigen of Human Cytomegalovirus," <u>PNAS USA</u> , 81:4965-4969, 1984.			
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